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LLANDRINDOD WELLS URBAN DISTRICT COUNCIL.

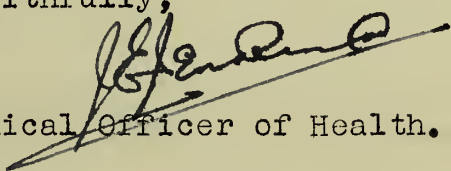


To the Chairman and Members.

I have pleasure in submitting for your consideration the report on the sanitary conditions and Vital Statistics of the Urban District for the year 1947.

This report is prepared in accordance with the instructions issued by the Ministry of Health, and presents briefly the scope of the activities of the Health Department.

Yours faithfully,


Medical Officer of Health.

LIANDRINDOD WELLS URBAN DISTRICT COUNCIL.

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1947.

SECTION A.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area of District	...	...	...	1509 acres.
Registrar-General's estimate of the Resident Population. Mid.1947	...	...	...	3167 persons.
No. of inhabited houses at end of year. (Including Flats)	...	...	...	949
Rateable Value -31st.December, 1947.	...	...	...	£23.976
Products of a penny rate	...	...	...	£92.

NATURAL AND SOCIAL CONDITIONS.

The Urban District is situated in the centre of the County of Radnor on the side of a mountain range facing west and is the largest township in the County.

The climate is healthy and congenial, the climatological conditions of 1947 were as under:-

Total Rainfall	- 35.47 inches.
Total Sunshine	- 1.201.9 hours.
Highest Maximum Temperature	-85°F.
Average Maximum Temperature	-53°F.
Lowest Minimum	- 3°F.
Average Minimum Temperature	-40°F.

OCCUPATIONS. The occupations of the town are gradually changing, the report of 10 years ago stated that the Town was solely a Health and Holiday resort with a small resident population of retired business and professional people.

The present occupations are variable and can be divided into the following categories:-

- Hotel and Boarding House trades with subsidiary occupations.
- Agricultural and Agricultural administration.
- Public administration including education and educational training.
- Government Administration.
- Transport and Communication.
- Building.
- Manufacturing (Small percentage).
- Retired Resident population.

The town retained its position as a Health and Holiday resort and the holiday season of 1947 was equal to that expected, there being more hotels available but the loss of boarding houses by conversion into flats reflects itself in the lack of available accommodation for lower income groups.

There was no noticeable distress in the district and employment was no doubt at its peak.

Housing conditions have been greatly eased by the conversion of large boarding houses into flats and the keen oversight of the bye-laws Committee of the Council has ensured that the tenants of these flats are provided with all up to date amenities such as baths, hotwater systems, separate water closets etc.

The difficulties of flat occupation by young families is noted to be difficult and detrimental to health where children are young. The erection of houses by the Council will gradually overcome this matter and re-adjustment of families will no doubt take place.

TABLE 1.

VITAL STATISTICS OF THE DISTRICT DURING 1947.

	Total.	Male.	Female.
Live Births (Legitimate	45	24	21
Illegitimate	2	-	2
Still Births	2	1	1
	<u>49</u>	<u>25</u>	<u>24</u>

Birth Rate per 1,000 of the estimated population:-

Live Births	14.6
Still Births	40.8

DEATHS.	Total.	Male.	Female.
No. of Deaths	40	14	26

The death rate per 1,000 of the estimated resident population is 12.6.

Death from puerperal Causes ... Nil.

Death rate from Puerperal Causes ... Nil.

Death rate of infants under one year of age :-

Infant deaths under 1 year	1
All infants per 1,000 live births	21.3
Legitimate infants per 1,000 legitimate births ...	21.3
Illegitimate Infants per 1,000 illegitimate live births ...	Nil
Death from Child Birth	Nil
Deaths from Cancer (all ages)	3
Deaths from Measles (all ages)	Nil
Deaths from Whooping Cough (all ages)	Nil
Deaths from Diarrhoea (under 2 years of age)	Nil

There was no unusual excessive mortality during the year.

TABLE 2.
CAUSES OF DEATH.

Causes of Death.	M.	F.
All Causes	14	21
1. Typhoid and Paratyphoid Fever		Nil
2. Measles		26
3. Scarlet Fever		Nil
4. Whooping Cough		Nil
5. Diphtheria		Nil
6. Influenza		Nil
7. Encephalis Lethargia		Nil
8. Cerebro Spinal Fever		Nil
9. Respiratory Tuberculosis		Nil
10. Other Tuberculosis Diseases		Nil
11. Syphilis		Nil
12. General Paralysis of Insane., Taber Dorsalis		Nil
13. Cancer. Malignant Disease	Nil	3
14. Diabetes		Nil
15. Cerebral Hemorrhage		Nil
16. Heart Disease	5	5
17. Aneurysm		Nil
18. Other Circulatory Diseases	2	3
19. Bronchitis		Nil
20. Pneumonia (all forms)	1	Nil
21. Other Respiratory Diseases		Nil
22. Peptic Ulcers		Nil
23. Cirrhosis of Liver		Nil
24. Other Disease of Liver		Nil
25. Other Digestive Diseases	Nil	1
26. Acute and Chronic Nephritis	Nil	1
27. Puerperal Sepsis		Nil

TABLE 2.
CAUSES OF DEATH.

Causes of Death.	M.	F.
28. Other puerperal causes		Nil
29. Congenital Debility, premature birth, malformations etc.	Nil	1
30. Senility		Nil
31. Suicide		Nil
32. Other violence	1	1
33. Other defined diseases	5	11

GENERAL PROVISION OF HEALTH SERVICES IN AREA.

1. Public Officers:-

Medical Officer of Health (Part-time).

J. Emrys Jenkins, M.A., B.M., B.Ch.

Sanitary Inspector (Part-time).

R.J. Morris, A.R.I.C.S., M.R.S.I., Cert.S.I.

2. LABORATORY FACILITIES. The examination and analysis of water, milk and food stuffs are carried out by the Public Analyst of the County Laboratories, Carmarthen. Analyst - H.J. Evans.

Various samples of water were submitted during the year for chemical and bacteriological analysis, details of which are appended.

HOME NURSING SERVICES are carried out by the Radnorshire County Council under the administration of the County Superintendent Nurse.

AMBULANCE SERVICE. The Urban District Council does not now operate an ambulance service. Ambulance requirements are supplied by the Llandrindod Wells Hospital.

CLINICS in the district for Tuberculosis, child welfare and nursing mothers are administered by the County Council.

HOSPITALS - General Hospital. Hospital treatment facilities have been fully provided at the Llandrindod Wells County War Memorial Hospital.

Infectious Diseases. The arrangements made for admission of infectious disease cases to the Monkmoor Hospital, Shrewsbury were continued.

NURSING HOMES. The supervising Authority under the Nursing Homes Registration Act, 1927, is the Radnorshire County Council.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply. The two water supplies of the district, Doldowlodd Estate Supply and the Town Supply were satisfactory throughout the twelve months.

The reports on the Doldowlodd Estate Supply have been of wholesome and plentiful water, this source supplies 14 premises at Victoria Road and Ithon Road.

The Town Supply administered by the Council proved satisfactory and the purification of the river water was efficiently maintained.

The further improvement of the mechanical filters by insertion of new type strainers was proceeded with and it is found that the difficulties caused by the heavy work required of the filters in cleansing the crude river water when in flood do not now cause straining of the new filter bottoms.

The bacteriological reports on the water show that a pure and wholesome supply was maintained throughout the year.

Summary of Analysts Reports are tabulated below:-

The Chemical reports on the water showed that the water was corrosive.

The adoption of a proposal of the Analyst whereby samples for Chemical report are submitted of (1) Raw River Water (2) Water prior to Chlorination and (3) Water in supply has been proceeded with and tabulation of his reports are attached.

The volume of water available in supply has been adequate for all purposes and the tabulation below gives particulars of comparison with past years.

TABULATION OF BACTERIOLOGICAL ANALYSIS FOR THE YEAR 1947.

carried out by H.J. EVANS, Public Analyst,

The Castle, Carmarthen.

Water taken from Domestic Taps.

Date of Sample.	No. of Organisms.	Coli present in ccs.						Remarks.
		100,	50,	25,	20,	10,	5,	
7.1.47.	45	Nil						Satisfactory
19.3.47.	39	Nil						"
19.6.47.	62	Nil						Highly Satisfactory
21.8.47.	51	Nil						Satisfactory
15.10.47.	45	Nil						Highly Satisfactory
10.12.47.	6	Nil						"

REPORT ON CHEMICAL ANALYSIS.

Date of Sample 18.4.47.

No.1. Raw River Water.

No.2. Sample after Flocculation and filtration but before chlorination.

No.3. As delivered from house taps.

Parts per 100,000.

	No.1.	No.2.	No.3.
Free Ammonia	Nil	0.002	0.004
Albuminoid Ammonia	0.006	0.002	0.002
Chlorine	1.20	1.20	1.20
Calculated as Common Salt	1.98	1.98	1.98
Total Solids	11.0	11.0	11.0
Nitrates	Nil	0.05	0.06
Nitrites	Nil	Nil	Nil
Oxygen consumed at 27°C in 4 hours	0.084	0.038	0.025
" " " " in 15 minutes	0.029	0.008	Nil

ADDITIONAL FEATURES:-

Line at CaO	1.51	1.0	1.52
Total Alkalinity as CaCO ₃	4.5	3.5	3.5
" Hardness " "	4.5	4.5	4.5
pH Value	7.4	6.8	6.8
pH s.	8.7	8.8	8.8
Saturation Index (Langelia)	-1.3	-2.0	-2.0
Colour (Hazen Units)	20	5	5

BACTERIOLOGICAL.

No. of Organisms per cc developed on Agar during 48hrs. @ 37°C.	55	5	4
ditto 48hrs. @ 22°C.	480	45	22
Coliform Organisms per 100ccs.	18 +	16	Nil
Faecal Coli per 100ccs.	18 +	16	Nil

WATER CONSUMPTION TABLE.

(All consumers, including Trades).

Year.	Water Pumped to Services Reservoirs.	Estimated Population,	Estimated Consumption per head per day.
1944	79,500,000	Not Known	Not Known
1945	77,700,000	" "	" "
1946	68,630,000	3,000	62
1947	66,410,000	3,150	57

DRAINAGE AND SEWERAGE.

Drainage. There have been no difficulties arising on the drainage systems of the town and no cases of flooding due to inadequate capacities of sewers have arisen.

Sewerage Disposal. As previously reported there are three disposal works under the Council's jurisdiction viz:-

(1) Rhydllyndu Disposal Works which deals with sewerage from the greater part of the town (2) Ddole Road Disposal Works and (3) Caebach Septic Tank.

Effluents from the works were throughout the the year of moderate condition, and developments were carried out at the Rhydllyndu Works to improve conditions, these developments comprising the construction of concrete humus settling trough part of concrete channels to river and cleansing out of sludge lagoons. The proposed developments were not completed in the year.

RIVERS AND STREAMS. No action was taken in regard to pollution.

PUBLIC CLEANSING. Collection of household and trade refuse is carried out by the Council's vehicles and own staff. Collections being as follows:- Large Hotels - three collections per week. Large Shops and Houses - two collections per week. Normal collection - once per week.

Disposal was by incineration and tipping, 90% being by incinerator in treble retort incinerator with electric powered forced draught fan. The Collection of salvage, in particular waste paper was carried on intensively and a total of 25 tons of waste paper was disposed of.

SANITARY INSPECTION OF THE AREA.

Summary of the work of the Sanitary Inspector Department.

TOTAL NO. OF INSPECTIONS AND VISITS MADE - 233.

<u>Nuisances.</u>		<u>Moveable Dwellings-Registered</u>	1
No. of visits re nuisances.	27	<u>Bakehouses</u>	
Visits re Works in Progress.	12	No. in use	4
Notices Issued.		No. of Inspections	8
(a) Informal letters.	15		
(b) Informal Notices.	3	<u>Lodging Houses.</u>	
(c) Statutory.	Nil	No. Registered	Nil
Notices Complied with.	16	<u>Offensive Trades</u>	
Outstanding	2	No. Registered.	Nil
Legal Proceedings.	Nil		
<u>Housing.</u>		<u>Water Supply.</u>	
Inspections as per report.	25	No. of Samples Taken	9
<u>Food Preparing Places.</u>		No. found polluted	Nil
No. of Inspections	5	Houses and flats Connected to Supply.	946
		New Houses Connected	Nil
<u>Slaughter Houses etc.</u>		New connections to houses	10
No. of Visits (Approx)	115		
No. of Condemnations	841	<u>Infectious Diseases.</u>	
No. of Seizures of Unsound food.	Nil	No. of Inquiries	4
<u>Cowsheds.</u>		No. taken to Hospital	2
No. Registered	7	No. of houses disinfected	2
No. of Inspections	7	Bedding and Clothing	Nil
No. of Retailers	18	No. of houses disinfected re fleas and lice etc.	1
No. of Milk Samples under Ministry of Agriculture Scheme	397	<u>House Drainage.</u>	
No. of Category A	258	No. laid or relaid	Nil
No. of Category B	41	No. cleansed.	8
No. of Category C	74	<u>Water Closets etc.</u>	
<u>Dairies</u>		No. improved or repaired	2
No. Registered	7	No. of Bucket Closets in District.	8
No. of Inspections.	7	No. of Cess Pools in District	1
		No. of Earth Closets in District.	2

SHOPS. Shops of the district have been visited as required by the Shops Act, 1934, and the Public Health Act, 1936, and in all cases arrangements for staff have been found satisfactory.

CAMPING SITES.

1. Number of Sites in area used for camping purposes during 1947 - 0
2. Number of camping Sites in respect of which licences have been issued - Nil
3. The estimated maximum number of campers in the area at one time during the summer season of 1947 would be - 30

SMOKE ABATEMENT

- No action taken.

SWIMMING BATHS AND POOLS. There is one privately owned Swimming Pool in the town, and this was not open in 1947.

SCHOOLS. There are two elementary schools and one secondary school in the district under the control of the Radnorshire County Council. There is one Emergency Training College in the Town.

HOUSING.

1. Inspection of Dwelling houses during the year:-
 - (1)(a) Total number of dwelling houses inspected for housing defects (under public Health and Housing Acts). - 12
 - (b) Number of inspections made for the purpose. - 25
2. (a) No. of Dwelling Houses found to be in a state so dangerous or injurious to health as to be unfit for habitation - Nil.
- (b) No. of Dwelling Houses found not to be in all respects reasonably fit for human habitation. - 10
- (c) No. of Dwelling Houses rendered fit as a result of informal action. - 10

No statutory notices were served under the Housing Act or the Public Health Act.

No action was taken under section 11 and 13 of the Housing Act, 1936.

No proceedings were taken under the Section 12 of the Housing Act of 1936.

No additional cases of overcrowding were found during the year.

INSPECTION AND SUPERVISION OF FOOD.

MILK.

Residential Retailers	1
" Cowkeepers and Retailers	6
" Cowkeepers and Wholesalers.	1
Non-Resident Retailers and Cowkeepers	11

The sale of bottle milk is very small.

Visits to cowsheds during the year 7

Visits to dairies during the year 7

Samples were taken fortnightly for

Ministry of Agriculture testing

Laboratory at Builth Wells and the following results reported:-

Samples Taken 397 Category A 258, Category B. 41 Category C 74.

Action taken by the Council in respect of unclean milk - Nil.

MEAT AND OTHER FOODS.

Meat. The centralised slaughter of cattle, sheep and pigs greatly simplifies the work of meat inspection as compared with the four registered slaughterhouses in the town pre-war.

ANIMALS KILLED, INSPECTED AND CONDEMNED.

	Cattle excluding Cows.		Sheep & Lambs.		Pigs.
	Cows.	Calves.	Lambs.		
Number Killed	167	133	5050		15
Number Inspected	160	46	2978		13
All diseases except Tuberculosis, whole carcasses condemned.	4	1	14		1
Carcasses of which some part or organ was condemned.	84	-	709		1
Percentage of the number inspected affected with disease (Not T.B.).	52%	2%	14%		13%
Tuberculosis only. Whole Carcasses Condemned.	2	-	-		-
Carcasses of which some part or Organ was condemned.	6	-	-		-
Percentage of number inspected with Tuberculosis.	4.8	-	-		-
The chief diseases for which organs were condemned were flukes and other parasitic diseases.					

Food Preparing Places.

Number of Inspections 5

Foods surrendered and destroyed:-

Canned Foods - 283 tins.
 Corned Beef - 159 lbs.
 Sausage and Sausage
 Meat - 22½ lbs.
 Cheese - 10 lbs.
 Fruit - 47 lbs.
 Vegetables - 15 cwts 14 lbs.
 Bacon and Ham - 47 lbs.

Adulterations The administration of the Acts dealing
with the adulteration of food is carried out by the Officers of the
Radnorshire County Council.

Chemical and Bacteriological Examination of Food:-

These examinations are carried out by the Officers of the
Radnorshire County Council.

INFECTIOUS AND OTHER DISEASES.

Five cases of notifiable infectious diseases occurred. The
Council's Isolation Hospital was not opened and the cases arising
were isolated at home or at Hospitals away.

NOTIFIABLE DISEASES DURING 1947.

Disease.	Total Cases Notified.	Cases Admitted to Hospital.	Total Deaths.
Small Pox	Nil	Nil	Nil
Scarlet Fever	Nil	"	"
Diphtheria	2	"	"
Enteric Fever	Nil	"	"
Puerperal Fever	Nil	"	"
Puerperal Pyrexia	Nil	"	"
Pneumonia	1	"	1
Other Diseases generally notifiable.	Nil	"	"
Acute Poliomyelitis.	2	2	"
<u>Totals.</u>	<u>5</u>	<u>2</u>	<u>1</u>

CANCER - No action taken.

BLINDNESS - No action taken.

TUBERCULOSIS - All action under the Public Health (Prevention of Tuberculosis) Regulation 1925 or under Section 172 of the Public Health Act 1936 is taken by the Radnorshire County Council.

Tuberculosis. New Cases and Mortality During 1947.

Age periods.	New Cases.				Deaths.			
	Respiratory.		Non Resp-iratory.		Respiratory.		Non Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0								
1								
5								
15						N	I	L
25	-----1							
35	-----1							
45								
55								
65 and up								
Totals	1	Nil	1	Nil	Nil	Nil	Nil	Nil

DIPHTHERIA IMMUNISATION.

The number of children immunised for Diphtheria during the year was - 29 as follows:-

Age Group.	No.	Est. Child Population.
Under 1 yr.	2	}-----210
Age 1 yr.	20	
" 2 yrs.	6	
" 3 yrs.	Nil	
" 4 yrs.	Nil	}-----360
" 5 to 9 yrs.	1	
" 10 to 14 yrs.	Nil	